

For use with Network Camera VB-M600D/VB-M600VE


# Recessed Mounting Kit SR600-VB

## Installation Guide

The recessed mounting kit SR600-VB is an optional product for exclusive use with VB-M600D/VB-M600VE (hereafter referred to as the camera). The camera is recessed into a ceiling or wall for a clean appearance. This “Installation Guide” explains the installation procedure using the recessed mounting kit SR600-VB. Be sure to read the “Safety Precautions” section for correct use. After reading this “Installation Guide”, keep it in a readily accessible location for future reference.

In addition to this “Installation Guide”, also read the camera-bundled “VB-M600D/VB-M600VE Installation Guide” and “VB-M700F/VB-M600D/VB-M600VE Operation Guide” (included in the Setup CD-ROM).

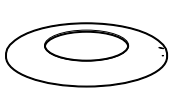
\* For the latest information (firmware and bundled software, User's Manuals, operating environment, etc.) please check our website.



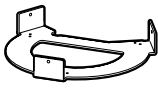
**Caution** Request a professional installer for all camera installation work. Never try to install the camera by yourself. Doing so may result in unforeseen accidents such as dropping the camera or electric shock.

### Check Bundled Items

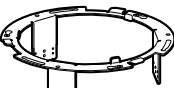
This product comes with the following items. If any item is missing, contact the dealer where you purchased the product.



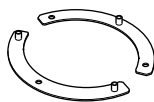
1. Recessed mounting cover 1



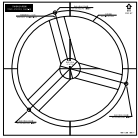
2. Ceiling bracket 1 1



3. Ceiling bracket 2 1



4. Backside ceiling bracket 2



5. Template 1

6. Camera fixing screws (M4) 3




7. Assemble screws (M3) 3

8. Ceiling bracket screws (M4) 3

9. Installation Guide (This document) 1

### Symbols Indicating Safety Precautions

This "Installation Guide" uses the following marks to indicate important information the user should know in order to use the product safely. Be sure to observe these items.

 <b>Warning</b>	Inappropriate handling against the instruction accompanied by this sign may result in death or serious injury. Be sure to observe these warnings to ensure safety.
 <b>Caution</b>	Inappropriate handling against the instruction accompanied by this sign may result in injury. Be sure to observe these precautions to ensure safety.
<b>Caution</b>	Inappropriate handling against the instruction accompanied by this sign may result in property damage. Be sure to observe these precautions.
 <b>Important</b>	This symbol indicates important or restricted items. Be sure to read this section.

### Safety Precautions

This section explains precautions that must be observed when using the camera. If they are not observed, injury, death and/or property damage may occur. Read the following information carefully and be sure to observe the precautions.

#### Installation Precautions

##### Warning

**Do not install in the following places:**

- Places in strong direct sunlight, near heat-generating objects, or subject to high temperatures
- Places near fire sources or flammable solvents (alcohol, thinner, etc.)
- Humid or dusty places
- Places subject to lamp black or steam
- Places subject to sea air
- Confined or enclosed places

**Fire or electric shock may result.**

##### Caution

**For installation or inspection of this camera, consult the dealer where you purchased the product.**

- This installation should be made by a qualified service person and should conform to all local codes.
- When installing on a ceiling, make sure the surface is capable of withstanding the total weight of the recessed mounting kit and the camera and is sufficiently reinforced if necessary.
- Periodically check the ceiling brackets and screws for rust and loose material to prevent injuries and equipment damage due to falling items.

- Do not install in unstable places, places subject to significant vibration or impact, or places subject to salt damage or corrosive gas.
- Be sure to attach the camera-bundled safety wire to the camera during installation.
- Use exclusively with the camera.

**Failure to do so may result in the camera falling or other accidents.**

- Do not touch the edge of metal parts with bare hands.
- Do not insert your finger in the space between the brackets and the ceiling.

**Injury may result.**

##### Caution

- Do not install the camera on an unstable surface.
- To maximize shock resistant specifications, do not install on insufficiently strong surfaces or surfaces subject to significant vibration (VB-M600VE).

**Malfunction may result.**

- Take care not to damage wiring or pipes in the room.

**Damage to peripheral items may result.**

### Precautions for Mounting the Camera Underneath Eaves (VB-M600VE)

For installation of VB-M600VE underneath eaves, proceed carefully to retain waterproof/dustproof capabilities.

Be sure to read “Precautions for Mounting the Camera Underneath Eaves” in the “VB-M600D/VB-M600VE Installation Guide”.

#### Precautions for Use

##### Warning

- If you discover defective conditions such as smoke, strange sounds, heat or strange odors, immediately stop using the camera and contact your closest dealer..

**Continued use may cause fire or electric shock.**

- Do not disassemble or modify the camera.
- Do not damage the connecting cable and others.
- Do not spill water or other liquid inside the camera, spray the camera with water, or otherwise make it wet.
- Do not insert foreign objects into the camera.
- Do not use flammable sprays near the camera.
- Do not leave LAN cables, external power supplies or AC adapter (optional) power connectors connected when the camera is not in use for long periods.
- Do not use flammable solvents such as alcohol, paint thinner or benzine when cleaning the camera.

**Fire or electric shock may result.**

#### Notes on Power Supply

##### Warning

- Only use the dedicated AC adapter PA-V17 (optional) for AC power.
- Do not set any heavy objects on the power cable.
- Do not pull, forcibly bend, scratch, or modify the power cable.
- Do not cover or wrap the AC adapter (optional) with cloth or blankets.

**Fire or electric shock may result.**

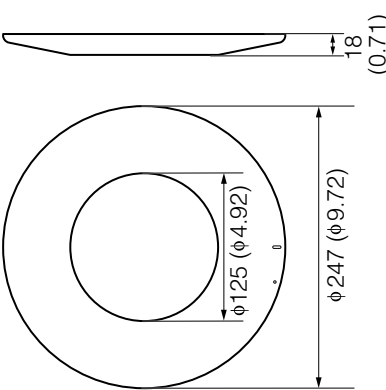
Be sure to read the User's Manual for the PA-V17 (optional) before use.

##### Caution

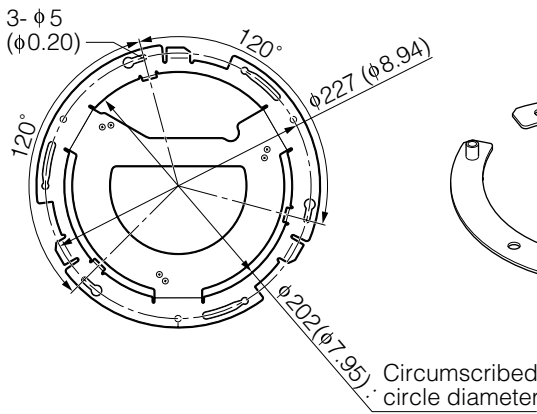
- After turning off the power, wait for at least five seconds before turning the power on again. If the power is turned on again too quickly, the camera may operate poorly.

### External Dimensions

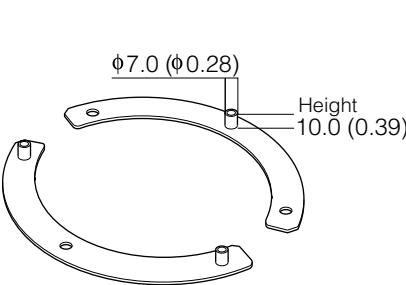
Recessed mounting cover



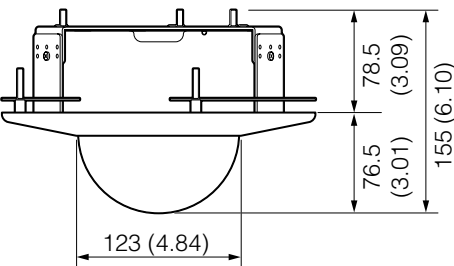
Ceiling bracket



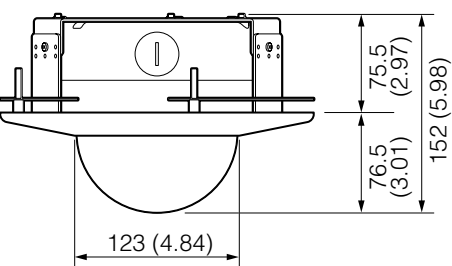
Backside ceiling brackets



Attached to VB-M600D



Attached to VB-M600VE



Unit: mm (in.)

### Main Specifications

Model	SR600-VB		
Type	Silver		
Network camera-mounting environments	<b>VB-M600D</b>	Temperature: -10 – 50 °C (14 – 122°F) / Humidity: 5 – 85% (without condensation)	
	<b>VB-M600VE</b>	Temperature: -10 – 50 °C (14 – 122°F) / Humidity: 5 – 85% (without condensation)	
		Temperature: -30 – 50 °C (-22 – 122°F) / Humidity: 5 – 85% (without condensation)	
		*equipped with an optional Heater Unit HU600-VB	
Dimensions	<b>VB-M600D</b>	(Φ x H) Φ 247 x 83 mm (Φ 9.72 x 3.27 in.)	
	<b>VB-M600VE</b>	(Φ x H) Φ 247 x 90 mm (Φ 9.72 x 3.54 in.)	
Weight	Approx. 687 g (1.52 lb.) (excluding camera)		

**2**

Bundled screw  
M3 x 3

VB-M600D

VB-M600VE

Embossed  
locating pins

3

VB-M600D

Lock screw holes

Dome case

4


VB-M600VE

Inner cover


\* Diagram of VB-M600D.

**5**


**VB-M600D**



**VB-M600VE**



When guiding cables through the side



When guiding cables through the ceiling wiring hole

**6**

Bundled screw  
M4 x 3

VB-M600D

VB-M600VE

\* Diagram of VB-M600D.

7


8

Bundled screw  
M4 x 3

9


\* Diagram of VB-M600D.

**11**



\* Diagram of VB-M600D.

**13**



\* Diagram of VB-M600D.

14

VB-M600D

VB-M600VE

Dome case

**15**

\* Diagram of VB-M600D.

Secure to an anchor or structure

Safety wire

LAN cable

Ceiling bracket assembly

Backside ceiling brackets

Dome

Main unit

Ceiling board

\* Diagram of VB-M600D.

The following explains the procedures to install the camera on a ceiling using the recessed mounting kit. Before installing the camera, set the IP address and other network information on the camera using the "VB Initial Setting Tool" on the Setup CD-ROM.

For details on how to operate the "VB Initial Setting Tool," see "VB-M700F/VB-M600D/VB-M600VE Operation Guide". If using an SD memory card, insert the SD memory card into the camera before attaching the dome case (see "Using an SD Memory Card" in "VB-M600D/VB-M600VE Installation Guide").

Use the bundled template to determine the positions of the holes (three) for mounting the backside ceiling bracket and the ceiling bracket holes according to the camera orientation. Next, drill holes in the ceiling.

Interlock the embossed locating pins of ceiling bracket 1 with the locating bores in ceiling bracket 2. Fix the brackets with the 3 bundled assemble screws (M3).

The position of the locating bores on ceiling bracket 2 differs according to the camera. Refer to the diagram to interlock the brackets correctly.

Check that the interlocked brackets are fixed by the embossed locating pins.

VB-M600VE

Special tamper-resistant screws are used for the dome case lock screws. Use the dome case lock screw wrench bundled with the camera.

Remove the 4 pieces of tape that prevent lens rotation during shipping, and push the inner cover in the direction of the arrows to remove it. Then remove the 2 pieces of tape attached to the base of the lens.

VB-M600D

Use a box cutter to cut a cross shape into the wiring hole cover in order to guide cables through.  
Do not remove the wiring hole cover.

**VB-M600VE**

Use a coin to unscrew the wiring hole cover from the side through which cables will be guided. Screw the wiring hole cover into the other wiring hole. You can fit a composite pipe (NPT 3/4 inch threaded hole) to the wiring hole.

Fix with three bundled camera fixing screws (M4).  
The screw holes differ according to the camera. Refer to the diagram to fix the camera using the correct screw holes.


From the inside of the ceiling, insert the protrusions on the backside ceiling brackets through the mounting holes drilled in step 1.

Temporarily tighten the three bundled ceiling bracket screws (M4) through the ceiling.

Securely attach the camera-bundled safety wire to an anchor or structure. After securing one end of the safety wire to the ceiling, secure the other end to the camera using the screw that is fastened to the camera.

When using an external power supply, guide the power interface cable through the wiring hole. Guide the I/O interface cable and the audio interface cable (bundled with the camera) through the wiring hole if necessary.

When using the AC adapter PA-V17 (optional), cut the cable tie and remove the ferrite core. Be sure not to damage the power cable when cutting the cable tie.



Cable tie

Position the ceiling bracket assembly onto the screws temporarily tightened in step 8, turn clockwise and completely fasten the screws.

Wire the cables referring to the “Cable Wiring Method” in the “VB-M600D/VB-M600VE Installation Guide”.

Attach the inner cover to its original position.

Firmly fix the dome case at three points to the camera using the dome case screws.

Align the (O) mark on the recessed mounting cover with the (I) mark on the ceiling bracket, and turn clockwise until the (I) mark on the recessed mounting cover aligns with the (I) mark on the ceiling bracket. Fix the recessed mounting cover.

When installation is complete, use the Camera Angle Setting Tool to adjust the pan, tilt, rotation, zoom (and focus) (See "Camera Angle Setting Tool" in the "VB-M700F/VB-M600D/VB-M600VE Operation Guide").